

PPW 145/9.1  
c.2

STATE LIBRARY OF PENNSYLVANIA



3 0144 00534039 3

BIENNIAL REPORT OF THE  
TRUSTEES  
OF THE  
WARREN STATE HOSPITAL  
FOR THE  
Period Ending May 31, 1944



TO THE  
SECRETARY OF WELFARE  
COMMONWEALTH OF PENNSYLVANIA







Digitized by the Internet Archive  
in 2016



## TRUSTEES

Allen, Chester S.....Warren  
Vice President

Booth, A. E.....Bradford

Davis, James D.....Tionesta

Deardorff, M. H.....Warren  
Secretary

Fruit, Fred T.....Sharon

Johnson, E. W.....Warren  
President

Mason, George.....Erie

Smith, Harry.....Ridgway

Underwood, R. R.....Knox

## RESIDENT STAFF

Robert H. Israel, M. D.	
Physician - in - Chief and Superintendent	
Leonard Rosenzweig, M. D.	
Assistant Superintendent	
Hilding A. Bengs, M. D.	
Clinical Director	
Herman Brickhouse, M. D.	Senior Assistant
William E. Biddle, M. D.	Senior Assistant
Jack Utley, M. D.	Senior Assistant
Ablon A. Kippen, M. D.	Pathologist
*Albert J. Crevello, M. D.	Assistant
*Harold Meyers, M. D.	Assistant
Doris T. Braislin, M. D.	Assistant
Rozella M. Popp, M. D.	Assistant
*Robert Maneval, D. D. S.	Dentist
Frank Cummins, D. D. S.	Dentist

## CONSULTANT STAFF

M. V. Ball, M. D.	Ophthalmologist
Otis W. Brown, M. D.	Medicine
Elmer Hess, M. D.	Urologist
E. S. Briggs, M. D.	Public Health
*W. Blair Mosser, M. D.	Surgeon
Gail Ridelsperger, M. D.	Surgeon
*J. L. Waterman, M. D.	Urologist
R. V. Young, M. D.	Otolaryngologist
J. T. Valone, M. D.	Cardiologist
James Richards, D. D. S.	Dentist

*\*Service Leave*

## TRAINING STAFF

Dorothy M. Peterson, R. N. B. S.	Directress
Mildred van Sickel, R. N. B. S.	Instructress
Vera Martindale, R. N. B. S.	Assistant Instructress
Margaret Grinnell, O. T. R.	Chief Occupational Therapist
Olive T. Bostrom, O. T. R.	Assistant Occupational Therapist
Flora Darling, R. N.	Physiotherapist
Nelson A. Johnson, A. B.	Director of Social Service
Helen O. Clauss, A. B. M. Ed.	Psychologist

## BUSINESS STAFF

Gerald C. Wright	Steward
E. M. Branch	Treasurer
N. P. Wendelboe	Accountant

TO: The Honorable S. M. R. O'Hara  
Secretary of Welfare  
Harrisburg, Pennsylvania

During the past two years, the Board of Trustees held eight regular quarterly meetings at the Warren State Hospital. In addition to these, individual visits were made by various members from time to time. At the regular meetings, the members made inspections of the departments, buildings and grounds.

As a result of such meetings and inspections, it has continued to have a good knowledge of the activity of the hospital and the care and treatment of patients.

Many conferences were held off the grounds or outside office hours and were not recorded.

We give grateful thanks for your help in all of the problems which arise in the administration of our institution.

Respectfully submitted,

E. W. Johnson	President
Chester S. Allen	Vice-President
M. H. Deardorff	Secretary
A. E. Booth	
James D. Davis	
Fred T. Fruit	
George Mason	
Harry Smith	
R. R. Undewood	

To The Board of Trustees:

The Warren State Hospital has developed in the last sixty-four years from a small plant to an overcrowded institution. These six and one-half decades have witnessed countless changes and countless points of view. In an effort to enlighten the communities which we serve, we have claimed no artful tricks neither have we promised a "cure" for sick minds.

The care and treatment of psychiatric patients today is closely related to the medical and surgical work of general hospital patients in many of its phases in that careful physiological tests and clinical studies must be made frequently and the physical status of our patients accurately evaluated. Added to the usual medical and physical features of such care we have the special psychiatric examinations and the special features of psychiatric work and skill in controlling and managing individual emotional symptoms. It has been the aim of the management to add to its facilities therapeutic methods equal to those available in large metropolitan hospitals.

The war crisis has depleted the number of employees. The loss of employees, particularly of nurses and attendants, has reached an alarming percentage. Salary advantage in private industry has diminished the number of applicants.

At present we have about one-third as many graduate nurses on our regular full time staff as we had several years ago. Vacancies have been filled temporarily and we have been helped by older

graduates, principally married women who have been able to work for such periods as their home responsibilities would permit. An appalling number of openings still remain unfilled.

In spite of difficulties engendered by the national conflict we feel that the standards of the hospital have been reasonably maintained. We have attempted to conduct the plant as conscientiously as means would permit.

Staff meetings have been continued four days each week and all patients have been presented for diagnosis and parole.

The major educational interest in the nursing department has continued to be the psychiatric course for affiliate students; the number enrolled at this time being eighty-one. So many hospitals have requested this training that it has been necessary for us to refer several schools elsewhere. Students from the Protestant Episcopal Hospital of Philadelphia, from the Hamot and St. Vincent's of Erie and from the Clearfield Hospital are with us for the first time. We now have the distinction of imparting psychiatric experience to all the schools of nursing in the thirteen northwestern counties which is the territory from which we receive our patients. We believe that this is one of the best methods of broadening psychiatric and mental hygiene education.

In order to accommodate our students, the Nurses' Home is completely assigned to them. The graduate nurses occupy the Convalescent Women's Building, originally designed for patients, until a new building project can be launched.

The Mitchell Building, a new unit for disturbed women patients, was opened for actual residency since the last report. Transfers were made immediately of two hundred and seventy females who live in this modern unit. The occupation of the building has proved to be one of our outstanding accomplishments in the care of disturbed women. We have attempted to improve their behaviour in the new surroundings and to raise them to a more acceptable social level. A habit training class was initiated with an average of thirty patients attending daily. The training consists of personal hygiene exercise, marching, games and simple craft therapy. Electric sleep treatment is used extensively among this group of patients.

A few of our best conducted patients have been trained as Nurses and Attendants' Aides. All of our better patients deserve much credit for their willingness and assistance in doing their part to lighten our load.

General Hershey, Director of the Selective Service System, designated the WSH as Civilian Public Service Camp No. 83 for Conscientious Objectors. At this unit, in accordance with the provisions of the Selective Training and Service Act of 1940, twenty-five men assigned to our project are engaged in work as attendants. One of the men with a Bachelor of Science Degree in Chemistry and Physics has taken up duties in the laboratory under the guidance of our pathologist. Several of these men's wives are also employed. A course of training consisting of fifty hours was initiated to the group. The program included problems of

psychiatric and general nursing care, introduction to psychiatry and ward administrative work.

In accordance with action of the State Executive Board, two hundred employees in the lower wage brackets received salary increases on September 1, 1942. Most of them received an increase of five and one-half per cent. Those receiving less than \$1140 a year with not less than one year's service were given an additional five and one-half per cent allowance.

With the exception of a two months' period, psychological services have been available to employees, patients and clinic cases. Due to the curtailment of the clinic program the number of individuals contacted through the agency of the clinic has been reduced. In addition to the testing programs, the Psychology Department contributed to the educational work of the hospital through courses of instruction to the students and lectures to outside groups. A statistical study analyzing the type of non-psychotic patients committed to Warren was completed in 1942.

Through the facilities of the medical library there is made available to the staff a growing collection of reference and source materials. One hundred and twenty-seven text books have been added and 164 journals have been bound.

The library subscribes to 60 periodicals and professional journals.

A special program for Pennsylvania State Hospital Directors of Nursing was presented here in May 1943. The Honorable S. M. R. O'Hara, Secretary

of Welfare, and Dr. William C. Sandy, Director, Bureau of Mental Health, attended. The program consisting of two major portions dealt with the psychiatric affiliate nursing, its influence on the mental hospital, its contribution to the student, to the general hospital and to the community; industrial and recreational therapy for disturbed women patients, including hygiene therapy training. The main address was delivered by Miss O'Hara.

A campaign for Red Cross blood donors revealed sufficient volunteers to warrant the assignment to us of a Unit. Two hundred and fifty-seven pints of blood were donated for the defense bank. Three courses in First Aid have been taught; four courses in Home nursing; sweaters, helmets, mittens, sox, and scarfs have been knit; thousands of bandages have been folded and several hundred children's dresses were made from remnants by patients and personnel. Air Raid drills have been conducted without confusion and stamps and bonds have been purchased monthly by personnel.

An intensive program of tree transplanting and pruning was undertaken. A member of the C. P. S. Unit has completed the cataloging of the naturalized and cultivated flora of the region immediately surrounding the institution and the borough of Warren. Seventeen hundred and fifty collections of specimens resulted. Two hundred and twenty botanical families, 733 genera and 1444 species, sub-species - varieties of flora - were identified. This project was undertaken on off time.

Travel restriction has prevented any marked extension of the supervised boarding home program

initiated in the last biennium. However the placements made in that period have been continued and fifteen new placements have been made, some for aged patients requiring simply boarding home care and some for younger patients who have been placed in jobs with the employers providing a home.

Field and office interviews in the interest of patients totalled 1997 which does not include the untabulated number of interviews which social workers have had with patients already committed. One thousand six hundred and twenty-six questionnaires have been mailed to follow up the progress of paroled patients. Research projects include:

A study of the characteristics and outcome of the 150 patients transferred to the Warren State Hospital from the Mercer County Hospital.

A study of the comparative outcome, cost of care, and length of hospital stay of patients with involutional psychosis before and after the introduction of electro shock.

A study of the changes in age groups of first admissions in a selected (10) group of years.

A study of the changes in parole rate for first admissions since 1940.

A study of the changes in death rate over a 10 year period (1933 to 1942).

A study of the degree of education found in each type of psychosis (2612 cases).

- 3-14-43 Warren County Pre-Induction Group  
"Mental Adjustment to Military Service"
- 5-27-43 Warren State Hospital  
Annual Meeting of State Hospital Directors of Nursing  
Commentary on Moving Pictures of Activity Therapy
- 6-21-43 Warren County Medical Society  
"Civilian Dislocation in Wartime"
- 8-21-43 Warren County Pre-Induction Group  
"Mental Adjustment to Military Service"
- 9-20-43 Warren County Medical Society  
"Clinical Aspects of Multiple Sclerosis"
- 11-16-43 Russell P. T. A.  
"The Nervous Child"
- 12-15-43 Warren Kiwanis Club  
"Rumors"
- 2-13-44 Warren Methodist Church Panel Discussion on  
"U. S. Public Health in the Post-War Period"
- 4-17-44 Warren High School  
"Mental Hygiene of the Selectee"
- 4-22-44 New Wilmington, Pa. District Rotary Conference  
"Post-War Mental Hygiene Clinic Planning."

Dr. Biddle

- 8 -6-42 Lottsville, Pa. Pomona and Farmington Granges

- "First Aid for Mental Health"
- 8-17-42 Warren Rotary Club  
"Morale"
- 11-16-42 Warren County Medical Society  
"The New Pharmacopea as an Aid to the War Effort"
- 1-28-43 Warren Red Cross Home Nursing Class  
"The Community and Mental Illness"
- 2-19-43 Warren County Pre-Induction Group  
"Mental Adjustment to Military Service"
- 5-16-43 Warren County Pre-Induction Group  
"Mental Adjustment to Military Service"
- 5-17-43 Warren-Jefferson P. T. A.  
"Understanding the Modern Child"
- 5-27-43 Warren State Hospital Annual Meeting of State Hospital Directors of Nursing  
"The Contribution of Psychiatric Affiliation to the Community"
- 6-10-43 Philadelphia, Pa. St. Joseph's College  
"Some Mental Aspects of Collegiate Training"
- 7-15-43 Warren County Pre-Induction Group  
"Mental Adjustment to Military Service"
- 8-25-43 Warren Kiwanis Club  
"The Widening Lunatic Fringe"
- 10-11-43 Warren Business and Professional Women's Club  
"Mental Hygiene in Wartime"
- 12-13-43 Warren Rotary Club  
"Our National Neuroses"

- 2-28-44 Warren - Pre-School Mothers' Club  
"Emotional Development of the Child"
- 3-28-44 Erie - Villa Maria College  
"Mental Hygiene in Community Relationships"

Dr. Braislin

- 12-18-42 Bradford - Y. W. C. A. Leaders' Club  
"Mental Hygiene"
- 3-30-43 Warren - Red Cross Home Nursing Class  
"Mental Hygiene"
- 5-20-43 Bradford - McKean County Nurses' Association  
"Mental Hygiene"
- 9-15-43 Warren - Young Mothers' Club  
"Child Guidance"
- 10-12-43 Bradford - Girl Reserves  
"Sex Education"
- 10-13-43 Bradford - Professional Women's Club  
"Family Relations"
- 11-2-43 Pleasant - Twp. P. T. A.  
"Problems of Adolescence"
- 11-9-43 Warren - Adult Class of Methodist Church  
"Mental Hygiene"
- 4-7-44 Bradford - Gray Ladies  
"Mental Hygiene"
- 4-26-44 Bradford - Girl Reserves  
"Sex Hygiene"

Dr. Brickhouse

- 8-17-42 Warren County Medical Society  
"Clinical Phenomena in Alzheimer's Disease"
- 2-15-43 Warren County Pre-Induction Group  
"Mental Adjustment to Military Service"
- 4-15-43 Warren County Pre-Induction Group  
"Mental Adjustment to Military Service"

Miss Olive Bostrum

- 10-1-42 Mead Township P. T. A.  
"Occupational Therapy"

Dr. Cummins

- 11-15-42 Jamestown, N. Y. - Jamestown Dental Society  
"Dental Problems in a Mental Hospital"
- 2-13-44 Warren - Methodist Church - Panel Discussion on  
"U. S. Public Health in the Post-War Period"
- 4-15-44 Warren - Academy of Science  
"America's International Policies"

Miss Margaret Elliott

- 11-19-42 Clarendon P. T. A.  
"Child Psychology and the War"
- 5-20-43 McKean County Nursing Association  
"Psychological Examination of Mental Patients"

Mr. Joseph Gardner

- 5-27-43 Warren State Hospital Annual Meeting  
of State Hospital Directors of Nursing  
"Industrial and Recreational Therapy  
for Men Patients"

Miss Margaret Grinnell

- 6-9-42 Warren - Grace Methodist Sunday School  
Class  
"Benefits of Occupational Therapy for  
Mental Patients"
- 8-6-42 Lottsville - Pomona and Farmington  
Granges  
"First Aid for Mental Health"
- 11-6-42 Warren - Old Guards Club  
"Occupational Therapy"
- 2-1-43 Warren - Jewish Women's Auxiliary  
"Occupational Therapy with Mental  
Patients"
- 5-27-43 Warren State Hospital - Annual Meeting  
of State Hospital Directors of Nursing  
"Craft, Industrial and Recreational Ther-  
apy for Women Patients"
- 1-31-44 Warren - Woman's Club  
"Art and Its Relationship to Occupational  
Therapy"
- 4-7-44 Bradford - Gray Ladies  
"Occupational Therapy"

Dr. Israel

- 8-12-42 Meadville Lions Club  
"Mental Illness"

- 9-4-42 Warren Bar Association  
"Traumatic Neuroses"
- 12-8-42 Warren Kiwanis Club  
"Alcohol"
- 4-8-43 Warren D. A. R.  
"Human Conservation through  
Psychiatry"
- 11-5-43 Men's Group First Methodist Church at  
Clarion  
"What Everyone Should Know About  
Mental Illness"
- 3-24-44 Brookville Coupler's Club  
"The Nervous Patient"

Nelson A. Johnson

- 7-14-43 Warren State Hospital - Thiel College  
Psychology Class  
"Some Sociological Aspects of Mental  
Illness"
- 11-1-43 Warren State Hospital - Mercyhurst Col-  
lege Psychiatry Class  
"Practical Psychiatry as Seen in the  
State Mental Hospital"
- 11-24-43 Warren - Kiwanis Club  
"A Community's Investment in Its  
People"
- 1-11-44 Warren - Warren Relief Association  
"Purpose of a Council of Social Agencies"
- 1-25-44 Warren - Chairman's Address at Organi-  
zational Meeting of Warren Council of  
Community Agencies

- 2-13-44 Warren - Methodist Church - Panel Discussion on  
"U. S. Public Health in the Post-War Period"
- 2-22-44 St. Paul's Lutheran Church Father and Son Banquet  
"A Modern Son's Responsibilities"
- 4-18-44 Warren County Medical Society  
"Sociological Factors in Medical Care Plans"
- 4-27-44 Warren State Hospital - Allegheny College Psychology Class  
"Facts Regarding the Mental Hospital"
- 5-27-44 Warren State Hospital - Public Health Nurses' Meeting  
"After-care of Paroled Patients"

Dr. Kippen

- 8-17-42 Warren County Medical Society  
"Pathology of Alzheimer's Disease"
- 9-26-42 Buffalo Neuropsychiatric Society  
Gowanda State Hospital  
"Pathology of Alzheimer's Disease"
- 10-15-42 Warren County Pre-Induction Group  
"Mental Adjustment to Military Service"
- 6-16-43 Warren County Pre-Induction Group  
"Mental Adjustment to Military Service"
- 9-20-43 Warren County Medical Society  
"Pathology of Multiple Sclerosis"
- 11-17-43 Warren County Pre-Induction Group  
"Mental Adjustment to Military Service"

Dr. Rosenzweig

- 8-13-42 Titusville, Pa. - B'nai B'rith  
"Mental Health in a Democracy"
- 9-26-42 Buffalo Neuropsychiatric Society  
Gowanda State Hospital  
"Preliminary Report on Use of Sodium  
Pentothal"
- 11-2-42 Methodist Church Hazelton Class  
Warren  
"Alcohol and Mental Illness"
- 1-15-43 Warren County Pre-Induction Group  
"Mental Adjustment to Military Service"
- 3-1-43 Warren Foremen's Club  
"Industrial Psychiatry"
- 5-11-43 Detroit, Michigan - American Psychiatric  
Association  
"Orientation, Training and Care of War-  
time Personnel in Institutional Practice"
- 5-18-43 Warren County Pre-Induction Group  
"Mental Adjustment to Military Service"
- 5-27-43 Warren State Hospital - Annual Meeting  
of the State Hospital Directors of Nurs-  
ing  
1. "Utilization of State Hospital Facili-  
ties for Psychiatric Nursing Affiliation";  
2. "A Program for Acute and Chronic  
Active Patients"
- 6-21-43 Warren County Medical Society  
"Wartime Neuroses"

- 8-4-43 Warren - Kiwanis Club  
"Wartime Difficulties of Hospital Administration"
- 9-16-43 Warren County Pre-Induction Group  
"Mental Adjustment to Military Service"
- 11-18-43 Tidioute - Boy Scout Committee  
"The Scouting Program in Developing Good Mental Attitudes"
- 12-14-43 Erie - Exchange Club  
"Industrial Psychiatry"
- 1-11-44 Warren County Pre-Induction Group  
"Mental Adjustment to Military Service"
- 1-12-44 Warren - Warren County Agriculture Association - Panel Discussion on  
"Effect of War on Children"
- 2-12-44 Warren County Pre-Induction Group  
"Mental Adjustment to Military Service"
- 2-13-44 Warren - Methodist Church - Panel Discussion on  
"U. S. Public Health in the Post-War Period"
- 2-18-44 Chicago - American Orthopsychiatric Association  
"A Community Program of Mental Hygiene for the Pre-Inductee"
- 2-1-44 Warren County Ministerial Association  
"Religion and Psychiatry"
- 3-16-44 Warren County Scouters Round Table  
"Developing Proper Mental Attitudes through Scouting Programs"

- 3-28-44 Warren - Married Couples Club of Presbyterian Church  
"Psychiatry and Religion"
- 4-5-44 Warren High School Assembly  
"Mental Health and Community Treatment in an Ailing Democracy"
- 4-10-44 Warren - Rotary Club  
"Mental Hygiene in Democracy"
- 4-22-44 New Wilmington, Pa. - Annual Rotary  
"Treatment and Education of the Abnormal Child"

Dr. Utley

- 8-17-42 Warren County Medical Society  
"Electric Shock Therapy"
- 9-26-42 Buffalo Neuropsychiatric Society  
Gowanda State Hospital  
"Electric Shock Therapy"
- 12-15-43 Warren County Pre-Induction Group  
"Mental Adjustment to Military Service"
- 5-4-44 Warren - Zonta Club  
"The Child Guidance Clinic for the Problem Child"
- 5-15-44 Warren - Johnson School P. T. A.  
"Child Guidance Clinic for the Problem Child"

Miss Mildred van Sickel

- 1-43 Sheffield High School  
"Student Nurse Recruitment Program"

- 1-43 Youngsville High School  
"Student Nurse Recruitment Program"
- 2-43 Lander High School  
"Student Nurse Recruitment Program"
- 2-43 Tidioute High School  
"Student Nurse Recruitment Program"
- 2-43 Warren County Medical Society  
"Student Nurse Recruitment Program"
- 3-43 Warren - High School  
"Student Nurse Recruitment Program"
- 5-27-43 Warren State Hospital - Annual Meeting  
of State Hospital Directors of Nursing  
"The Psychiatric Affiliate Curriculum  
and Its Influence on a Mental Hospital"
- 7-43 Warren - Rotary Club  
"Student Nurse Recruitment Program"
- 10-43 Warren - Business and Professional Wo-  
men's Club  
"Student Nurse Recruitment Program"
- 11-43 Tiona P. T. A.  
"The Mental Hospital and the Commu-  
nity"
- 11-43 Warren County Medical Auxiliary  
"Student Nurse Recruitment Program"
- 1-24-44 Warren - Pre-School Mothers' Club  
"Meeting Emergencies in the Home"
- 2-21-44 Community Service Program of Women's  
Club of Warren  
"The Bolton Bill and the U. S. Cadet  
Nurse Program"

- 3-7-44 Warren High School  
"Bolton Bill and the U. S. Cadet Nurse Program"
- 3-9-44 Sugar Grove High School  
"The Bolton Bill and the U. S. Cadet Nurse Program"
- 3-9-44 Lottsville High School  
"The Bolton Bill and the U. S. Cadet Program"
- 4-27-44 Russell High School  
"The Bolton Bill and U. S. Cadet Nurse Program"
- 4-27-44 Youngsville High School  
"The Bolton Bill and the U. S. Cadet Nurse Program"

Routine laboratory tests included the following. All other tests were made at the request of the physician in charge of the patient. A triple check on syphilis was adopted consisting of Wassermann, Kahn and Eagle Flocculation tests.

Blood Alcohol	55
Blood Barbiturates	4
Blood Bromide	232
Blood Count	1105
Blood Sugar	917
Blood Wassermann	2160
Sedimentation Rate	1046
Gastric Analysis	9
Spinal Fluid Wassermann	422
Autopsies	47
Urines	6780

Urea	968
Smears	163
Feces	95
Sputum	83
Sulpha determinations	10
Miscellaneous	452

Chest X-rays were made of all patients and employees by the Department of Health. As a result of these examinations, thirty-seven women patients and twenty-eight males were reported as active pulmonary cases. Two male employees were found to have active lesions although no female employees were positive for the disease. Women patients have been segregated in a tuberculous unit and the males will be transferred to the vacated Women's Building.

The peculiar system of numbering wards in the Main Section has been a source of confusion to new employees and to visitors. For example, Ward 1 is located on the third floor, Ward 3 on the first floor and Ward 4 the fourth floor. The wards have been renumbered to correspond with the code of the fire calls, the first numeral indicating the section of the building and the second numeral the floor location. This system is simplified and easily understood by visitors and employees. We believe it will expedite responses to fire drills and emergencies.

Together with the usual repair and upkeep work, the maintenance crew has been employed for several projects which have added to the comfort and convenience of patients and employees. After re-finishing the second floor of the old laundry, the

tailor shop was moved and with it such occupational therapy activities as were formerly conducted under crowded conditions on the second floor of Curwin Hall. The room vacated in Curwin Hall has been renovated and provided with adequate toilet and heating facilities. This provides space with windows on all sides where seventy women and the necessary machines do the sewing and mending of clothing in comfortable uncrowded surroundings.

Extensive changes have been under way to provide more room and serve with greater ease the customers of the canteen. A partition has been removed which adds about fifty per cent to the floor space; the old stairway to the second floor has been removed and replaced in a better position and an emergency exit opened to the outside. Repainted and fitted with counter and service facilities purchased from canteen earnings, this improvement is much appreciated by patrons of our hospitality shop.

The skylight over the pump pit at the Water Works has been replaced; two new machines for shelling peas and cutting beans have been set up and ready for operation. Extensive repairs have been made to the vacated infirmary building which will be assigned to male patients. Employees and patients have erected partitions, applied Celotex wall insulation and laid a concrete floor in the poultry house. Concrete walks have also been built to serve the Mitchell Building.

Cement parking posts and bumpers were erected on all parking lots which adds an orderly appearance to the grounds.

The Dietary Department served the following number of meals per day:

	<u>Patients</u>	<u>Employees</u>	<u>Staff</u>	<u>Total</u>
1942-43	7884	938	47	8869
1943-44	7694	857	22	8574
Total	15578	1795	69	17443

We have achieved a marked expansion of our canning program in the past three years, in spite of limited equipment designed for this purpose. While green beans and tomatoes have been the major crops which were processed, we also canned considerable quantities of beets, carrots and peas last year. We have used the large No. 10 can which is best adapted to institutional needs. The Dietary, Farm and Patient industrial activity groups have cooperated in overcoming mechanical handicaps. Their enthusiasm and success is illustrated in the following table of vegetables processed each year:

1941	278	No. 10 cans
1942	3590	No. 10 cans
1943	34580	No. 10 cans (103,740 quarts)

The Farm has continued to produce a majority of the roughage for livestock, fresh pork, vegetables in season and for canning, and poultry products from an average of twelve hundred layers. The total deliveries to the kitchen amounted to \$209,130.24. Subtracting the budgetary cost of \$150,370.75 indicates a net saving of the farm hospital of \$48,759.49. As of May 31, 1944 the livestock inventory consisted of eighteen horses, three hundred and thirty hogs, two hundred and thirty dairy cattle, and two thousand nine hundred twen-

ty-three poultry. The farm land, totaling one thousand three hundred twenty-eight acres, owned and ninety rented, continues to be divided into two hundred acres for buildings, lawns and miscellaneous purposes; four hundred and seventy-five acres for general farming, including potatoes; seventy-five acres for truck garden; seventeen acres for orchard; two hundred and fifty-six acres for pasture and three hundred and ninety-five acres for woodlot.

The War Man Power Commission, through several representatives, instructed between fifty and sixty employees (5 groups) in job techniques and procedures.

A portable dental unit for the convenience of patients unable to visit the dental office has functioned with satisfaction. A dental summary follows:

Appointments	7418
Original examinations	1571
Re-examinations	3400
Extractions	6812
Impactions removed	28
Anæsthesia infiltration	2042
Anæsthesia conduction	3275
Anæsthesia pack and general	72
Post-operative	517
Smears	47
Abscess - acute	303
Abscess - chronic	585
Abscess treated and lanced	54
Vitality tests	625

X-rays Intra	5215
X-rays Extra	271
Prophylaxis	1807
Treatments gums	1410
Fillings - Alloy	1532
Cement	418
Temporary	274
Synthetic	834
Sedative	309
Fracture treated	33
Fracture splints	4
Vincent treatments	37
Cysts removed	12
Gold work, repair, etc.	139
Ultra-violet	797
Biopsy	5
Infected antrum	5
Root canal	7
Trans-illumination	11
Denture markings	730
Denture new	273
Repairs and relinings	974
Denture adjustments	1616
cleaned	645
impressions	407
bite, setup, try-in	576
TOTAL PERFORMANCE	45,212

The Occupational Therapy Department has maintained a balanced program of occupational, industrial and recreational therapy. A special exhibition of activities and products was developed,

arranged and presented for the State Nursing Directors' Meeting. Both men and women patients under supervision of this division assisted with the preparation of vegetables preliminary to the actual canning. New units initiated in this department include a small laundry room for the use of women patients in the main building; a new O. T. room for use during inclement weather; a hygiene therapy room. Saturday afternoon recreational programs have continued. The number of women patients participating in the O. T. program has varied in relationship to the amount of paid personnel available to supervise and assist. At the end of the biennium there were three hundred and eighty-three participants. The Print Shop is now able to meet the institution's requirements through the addition of an auxiliary press. A summary of the routine work follows:

#### SEWING ROOM

Garments	141,716
----------	---------

#### MENDING ROOM

Articles mended for laundry	89,598
Wards, for women	34,678
Wards, for men	12,718

#### WOMEN'S O. T. SHOPS

Plain sewing	41,938
Articles embroidered	3,740
Miscellaneous	3,468

#### MEN'S O. T. SHOP

Rugs woven	2,832
Shade pulls	732

## PRINT SHOP

Record sheets	299,559
---------------	---------

## BOOK BINDERY

Books rebound	246
Books bound	344
Envelopes refaced	644

The Roentgenology Division made 57 Basal metabolic tests, 2533 radiographs, 66 electrocardiographs and 1128 photographs; administered 232 local inductothermy and 10 fever therapy treatments. Two hundred and eighty-seven employees were fingerprinted.

The Physiotherapy department administered 111,957 treatments consisting of 1274 tonic baths, 4800 electric light baths, 3412 Turkish baths, 3310 salt glows, 10,452 circular and rain douches, 8200 jet and fan douches, 50,800 cold wet sheet packs, 3300 continuous baths, 12,150 general massages, 4900 local massages, 200 oil rubs, 3350 infra-red radiations, 2073 ultra-violet irradiations, 3744 therapeutic exercises. The average number of patients treated daily was 77; the number of different patients treated monthly was 184, and the number of different patients treated during the year was 1080.

The Laundry has been able to maintain a high standard of efficiency. With an ever increasing volume amounting to seven tons of clothes on peak days, the test of supplying every need of all departments has been met.

## OPERATING COSTS

	TOTAL FOR BIENNIUM	1942-43	1943-44	INCREASE DECREASE* 1943-44 OVER 1942-43
TOTAL-PATIENT DAYS	1898407	959311	939098	20215*
AVERAGE-PATIENT POPULATION	2597	2628	2566	62*
TOTAL-PER CAPITA COST	.9344	.9248	.9439	.0191
AVERAGE-NO. OF EMPLOYEES	418	450	386	64*
TOTAL-MAINTENANCE COST	1773552	887145	888407	738*
CAPITAL EXPENDITURES	18876	13741	5135	8608*
STORES INCR. OR DEC.*	6830	8859*	15689	24548
TOTAL COSTS	1799258	892027	907231	15204
SALARIES	913047	469201	443848	25355*
WAGES	8802	902	7900	8998
FOOD & FORAGE	474096	231048	243048	12000
MATERIALS & SUPPLIES	193047	98996	94051	4945*
LT. HEAT & POWER	143730	66917	76813	9896

	TOTAL 1940-42	BIENNIUM 1942-44	INCREASE DECREASE* 1942-44 OVER 1940-42
TOTAL-PATIENT DAYS	1834769	1898407	6838
AVERAGE-PATIENT POPULATION	2514	2597	83
PER CAPITA COST	.8720	.9344	.0824
TOTAL-MAINTENANCE COSTS	1600298	1773852	173254
CAPITAL EXPENDITURE	62622	18876	43548*
STORES INCR. OR DEC.*	22177	6830	15347*
TOTAL COSTS	1884897	1799258	114381
SALARIES	870775	913047	42272
WAGES	15279	8802	8477*
FOOD & FORAGE	386368	474098	87730*
MATERIALS & SUPPLIES	213947	193047	20900*
LT. HEAT & POWER	121198	143730	22532

The construction needs and future expansion include:

1. An Auditorium (chapel, gymnasium, etc.)
2. A 400 bed Admission Building (converting our present 100 bed Stone Building into a general hospital.)
3. Two Annex Buildings designed specifically for the care of bed patients. These buildings might constitute two separate units, or each of our present pairs of annexes could be converted into a new shaped structure.
4. Additions to employees' buildings.
5. Service additions and alterations to complete the final integration and modernization of the institution.

To our staff of physicians and employees I extend warm thanks for their loyalty and for the faithful service that each of them has rendered in the performance of his duties.

I wish to thank the members of the Board for their personal interest, for the visits which they have made, for their generous use of time in solving hospital problems, and for the support which they have given to me in my efforts to conduct affairs in the best way consistent with our means.

Respectfully submitted,

ROBERT H. ISRAEL, M. D.  
Superintendent

Operating Costs<sup>1</sup> per day per patient  
for the biennium ending  
May 31, 1944

TOTAL		93¢
SALARIES AND WAGES		48¢
FOOD AND FORAGE		25¢
MATERIALS AND SUPPLIES		10¢
FUEL		8¢
OTHER EXPENDITURES		2¢

## MOVEMENT OF POPULATION

	Men	Women	Total
On books at beginning of biennium 6-1-42	1597	1614	3211
On parole at beginning of quarter	271	277	548
Actually in hospital	1326	1337	2663
Admissions (First and Readmissions)	670	612	1282
Habit Act admissions	16	2	18
Voluntary admissions	8	2	10
Discharges and deaths	834	602	1436
Restored	98	115	213
Improved	218	188	406
Not Insane	80	29	109
Transferred	2	6	8
Died	436	266	702
On books the end of biennium 5-31-44	1433	1624	3057
On parole at end of period	262	274	536
Actually remaining in hospital	1171	1350	2521

# Statistical Tables

June 1, 1942 to May 31, 1943

and

June 1, 1943 to May 31, 1944

# FIRST ADMISSIONS AND READMISSIONS

JUNE 1, 1942 TO MAY 31, 1943

PSYCHOSES	First Admissions			Readmissions		
	T.	M.	F.	T.	M.	F.
With syphilitic meningo-encephalitis	34	24	10			
With other forms of syphilis of central nervous system	6	3	3			
With epidemic encephalitis	3	1	2	1	1	
With other infectious diseases	1	1				
Alcoholic psychoses	34	30	4	7	7	
Due to drugs or other exogenous poison	2	2		2		2
Traumatic psychoses	1	1		1	1	
With cerebral arteriosclerosis	41	22	19	1	1	
With other disturbances of circulation	8	3	5	1	1	
With convulsive disorders	12	7	5	3	2	1
Senile psychoses	88	42	46			
Involuntional psychoses	15	10	5			
Due to other metabolic, etc. diseases	5	2	3			
Due to new growth	1		1			
Associated with organic changes of the nervous system	11	8	3	1		1
Psychoneuroses	21	10	11	1		1
Manic-depressive psychoses	40	10	30	21	5	16
Dementia praecox	162	91	71	23	8	15
Paranoia and paranoid conditions	19	10	9	1		1
With psychopathic personality	1		1	1	1	
With mental deficiency	7	4	3	4	3	1
Undiagnosed	21	8	13	1		1
TOTAL WITH PSYCHOSES	533	289	244	69	30	39

WITHOUT PSYCHOSES	First Admissions			Readmissions		
	T.	M.	F.	T.	M.	F.
Epilepsy	3	2	1			
Mental deficiency	7	2	5			
Alcoholism	23	19	4	1	1	
Drug addiction						
Personality disorders due to epidemic encephalitis						
Psychopathic personality	4	4		2	1	1
Primary behavior disorders	5	4	1	1	1	
Other, unclassified and unknown, without psychoses	13	9	4	3	2	1
TOTAL WITHOUT PSYCHOSES	55	40	15	7	5	2
GRAND TOTAL	588	329	259	76	35	41

# FIRST ADMISSIONS AND READMISSIONS

JUNE 1, 1943 TO MAY 31, 1944

PSYCHOSES	First Admissions			Readmissions		
	T.	M.	F.	T.	M.	F.
With syphilitic meningo-encephalitis	24	15	9	3	1	2
With other forms of syphilis of central nervous system	8	6	2	1	1	
With epidemic encephalitis	1		1			
With other infectious diseases						
Alcoholic psychoses	13	10	3	1	1	
Due to drugs or other exogenous poison				1		1
Traumatic psychoses	2	2				
With cerebral arteriosclerosis	51	28	23	1	1	
With other disturbances of circulation	10	8	2			
With convulsive disorders	10	5	5	4	2	2
Senile psychoses	76	33	43	3	1	2
Involitional psychoses	19	7	12	2	2	
Due to other metabolic, etc. diseases	2		2	1		1
Due to new growth	1	1				
Associated with organic changes of the nervous system	7	5	2	3	1	2
Psychoneuroses	14	6	8	2	1	1
Manic-depressive psychoses	46	16	30	29	10	19
Dementia praecox	134	62	72	24	7	17
Paranoia and paranoid conditions	19	12	7		1	
With psychopathic personality	2	1	1			
With mental deficiency	7	4	3	2	1	1
Undiagnosed	23	12	11	7	3	4
TOTAL WITH PSYCHOSES	469	233	236	85	33	52

WITHOUT PSYCHOSES	First Admissions			Readmissions		
	T.	M.	F.	T.	M.	F.
Epilepsy	11	7	4	1	1	
Mental deficiency	20	16	4	3	3	
Alcoholism	1		1	1		1
Drug addiction						
Personality disorders due to epidemic encephalitis	8	4	4			
Psychopathic personality	3	2	1			
Primary behavior disorders	12	5	7			
Other, unclassified and unknown, without psychoses						
TOTAL WITHOUT PSYCHOSES	55	34	21	5	4	1
GRAND TOTAL	524	267	257	90	37	53

# CONDITION ON DISCHARGE

BY PSYCHOSES JUNE 1, 1942 TO MAY 31, 1943

PSYCHOSES	TOTAL DISCHARGES			Discharged as Recovered		Improved		Unclassified	
	T.	M.	F.	M.	F.	M.	F.	M.	F.
	13	12	1			12	1		
With syphilitic meningo-encephalitis									
With other forms of syphilis of central nervous system	3	1	2			1	2		
With epidemic encephalitis	5	2	3			2	3		
With other infectious diseases									
Alcoholic psychoses	24	22	2	22	2				
Due to drugs or other exogenous poison	8	3	5	2	1	1	4		
Traumatic psychoses	2	2				2			
With cerebral arteriosclerosis	7	3	4			3	4		
With other disturbances of circulation	2	1	1			1	1		
With convulsive disorders	9	6	3		1	6	2		
Senile psychoses	2	2				2			
Involutional psychoses	17	7	10			7	10		
Due to other metabolic, etc. diseases	1	1	1				1		
Due to new growth	1	1				1			
Associated with organic changes of the nervous system	5	1	4			1	4		
Psychoneuroses	35	16	19	15	19			1	1



CONDITION ON DISCHARGE  
BY PSYCHOSES JUNE 1, 1943 TO MAY 31, 1944

PSYCHOSES	TOTALS						Recovered			Improved			Without Psychoses		
	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.
With syphilitic meningo-encephalitis	16	11	5							16	11	5			
With other forms of syphilis of central nervous system	2	2								2	2				
With epidemic encephalitis	2	2								2	2				
With other infectious diseases															
Alcoholic psychoses	18	15	3	18	15	3									
Due to drugs or other exogenous poison	4	3	1							4	3	1			
Traumatic psychoses	2	1	1							2	1	1			
With cerebral arteriosclerosis	13	7	6							13	7	6			
With other disturbances of circulation	2	1	1							2	1	1			
With convulsive disorders	6	3	3							6	3	3			
Senile psychoses	4	1	3	1		1			1	3	1	2			
Involutional psychoses	14	8	6	1	1					13	7	6			
Due to other metabolic, etc. diseases	1		1							1		1			
Due to new growth															
Associated with organic changes of the nervous system	3		3												
Psychoneuroses	22	5	17	21	5	16				1		1			

Manic-depressive psychoses	53	22	31	52	21	31	1	1		
Dementia praecox	100	51	49	1		1	99	51	48	
Paranoia and paranoid conditions	9	4	5				9	4	5	
With psychopathic personality	1	1					1	1		
With mental deficiency	6	2	4				6	2	4	
Undiagnosed	15	4	11	1		1	14	4	10	
TOTAL WITH PSYCHOSES	293	143	150	95	42	53	198	101	97	

	TOTALS			Recovered			Improved			Without Psychoses		
	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.
Epilepsy	2	2								2	2	
Mental deficiency	6	3	3							6	3	3
Alcoholism	16	14	2							16	14	2
Drug addiction	2		2				1		1	1		1
Personality disorders due to epidemic encephalitis												
Psychopathic personality	8	5	3							8	5	3
Primary behavior disorders	2	1	1				1	1		1		1
Other, unclassified and unknown, without psychoses	9	7	2							9	7	2
TOTAL WITHOUT PSYCHOSES	45	32	13				2	1	1	43	31	12
GRAND TOTAL	338	175	163	95	42	53	200	102	98	43	31	12

# CAUSE OF DEATH

BY PSYCHOSES JUNE 1, 1942 TO MAY 31, 1943

PSYCHOSES	Circulatory System			Digestive System			Genito-urinary system			Respiratory System		
	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.
With syphilitic meningo-encephalitis										5	5	
With other forms of syphilis of central nervous system												
With epidemic encephalitis										1	1	
With other infectious diseases												
Alcoholic psychoses	2	2									1	1
Due to drugs or other exogenous poison											1	1
Traumatic psychoses												
With cerebral arteriosclerosis	26	21	5				3	1	2			
With other disturbances of circulation	3	2	1				1	1		1	1	
With convulsive disorders										2	2	
Senile psychoses	31	15	16				4		4	12	8	4
Involutional psychoses	5	2	3							2	2	
Due to other metabolic, etc. diseases					1	1						
Due to new growth												
Associated with organic changes of the nervous system	1	1										
Psychoneuroses							1		1			

Manic-depressive psychoses	9	4	5	1	1				7	4	3			
Dementia praecox	17	9	8	2	2		1		1	19	16	3	6	5
Paranoia and paranoid conditions	3	1	2	1	1								1	1
With psychopathic personality														
With mental deficiency	6	3	3							5	3	2	3	2
Undiagnosed	4	2	2							2	1	1		
TOTAL WITH PSYCHOSES	107	62	45	5	5		10	3	7	56	43	13	14	10

TOTAL WITH PSYCHOSES

	Circulatory System	Digestive System	Genito-urinary system	Respiratory System											
WITHOUT PSYCHOSES	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.
Epilepsy															
Mental deficiency	1	1								2	2				
Alcoholism															
Drug addiction															
Personality disorders due to epidemic encephalitis															
Psychopathic personality															
Primary behavior disorders															
Other, unclassified and unknown, without psychoses	1		1												

TOTAL WITHOUT PSYCHOSES

GRAND TOTAL

(Continued)

# CAUSE OF DEATH

BY PSYCHOSES JUNE 1, 1942 TO MAY 31, 1943

PSYCHOSES	TOTALS			Infectious and Parasitic		Cancers and other malignant tumors		Rheumatic, nutritional, endocrine glands, etc.		Blood and blood making organs		Chronic poisonings and intoxicants		Nervous system and organs of special sense	
	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.
With syphilitic meningo-encephalitis.	29	26	3	21	18	3								3	3
With other forms of syphilis of central nervous system	8	6	2	8	6	2									
With epidemic encephalitis	2	1	1											1	1
With other infectious diseases															
Alcoholic psychoses	10	10					2	2				1	1	3	3
Due to drugs or other exogenous poison	1		1												
Traumatic psychoses	3	3												2	2
With cerebral arteriosclerosis	43	29	14	1	1		1	1	2	2				10	6 4
With other disturbances of circulation	6	4	2											1	1
With convulsive disorders	5	4	1											3	2 1
Senile psychoses	64	45	39				2	1	1		2	1	1	2	2
Involutional psychoses	10	6	4											3	2 1
Due to other metabolic, etc. diseases	1	1													
Due to new growth	2	1	1				2	1	1						
Associated with organic changes of the nervous system	8	4	4											6	2 4
Psychoneuroses	2	1	1				1	1	1						



## BY PSYCHOSES JUNE 1, 1942 TO MAY 31, 1943

[illegible]







## BY PSYCHOSES JUNE 1, 1943 TO MAY 31, 1944

PSYCHOSES	TOTALS			Infectious and Parasitic		Cancers and other malignant tumors		Rheumatic, nutritional, endocrine glands, etc.		Blood and blood making organs		Chronic poisonings and intoxicants		Nervous system and organs of special sense	
	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.
With syphilitic meningo-encephalitis	19	12	7	17	11	6	1		1						
With other forms of syphilis of central nervous system	6	6		5	5										
With epidemic encephalitis	2	1	1											1	1
With other infectious diseases															
Alcoholic psychoses	10	10										1	1	2	2
Due to drugs or other exogenous poison															
Traumatic psychoses															
With cerebral arteriosclerosis	46	26	20				1		1					15	9 6
With other disturbances of circulation	10	8	2												
With convulsive disorders	10	6	4											4	1 3
Senile psychoses	95	54	41											4	4
Involutional psychoses	9	5	4						1	1				1	1
Due to other metabolic, etc. diseases	6		6											4	4
Due to new growth															
Associated with organic changes of the nervous system	10	6	4	1	1									7	4 3
Psychoneuroses	2		2				1		1						



# CAUSE OF DEATH

BY PSYCHOSES JUNE 1, 1943 TO MAY 31, 1944

PSYCHOSES	Senility			Ill defined causes		
	T.	M.	F.	T.	M.	F.
With syphilitic meningo-encephalitis						
With other forms of syphilis of central nervous system						
With epidemic encephalitis						
With other infectious diseases						
Alcoholic psychoses						
Due to drugs or other exogenous poison						
Traumatic psychoses						
With cerebral arteriosclerosis	1		1	1	1	1
With other disturbances of circulation						
With convulsive disorders						
Senile psychoses	25	11	14	2		2
Involutional psychoses						
Due to other metabolic, etc. diseases						
Due to new growth						
Associated with organic changes of the nervous system						
Psychoneuroses						

Manic-depressive psychoses	1		1	2	1	1
Dementia praecox	2	1	1			
Paranoia and paranoid conditions						
With psychopathic personality						
With mental deficiency						
Undiagnosed						
TOTAL WITH PSYCHOSES	29	12	17	5	2	3

	Senility			Ill defined causes		
	T.	M.	F.	T.	M.	F.
Epilepsy						
Mental deficiency						
Alcoholism						
Drug addiction						
Personality disorders due to epidemic encephalitis						
Psychopathic personality						
Primary behavior disorders						
Other, unclassified and unknown, without psychoses						
TOTAL WITHOUT PSYCHOSES						
GRAND TOTAL	29	12	17	5	2	3



PRINTED BY  
The Occupational Therapy Department  
Warren State Hospital





